

Abstract of the Disclosure (for U.S. application)

5 A light-emitting diode (LED) light source unit includes a printed circuit board mounting LED elements thereon. The LED elements are arranged in the form of an array and mounted on a bottom face of a straight groove defined in the printed circuit board by a groove forming technique. A lateral face of the groove acts as a reflecting face for reflecting beam from the LED elements toward an object to be illuminated.